

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 September 2004 (16.09.2004)

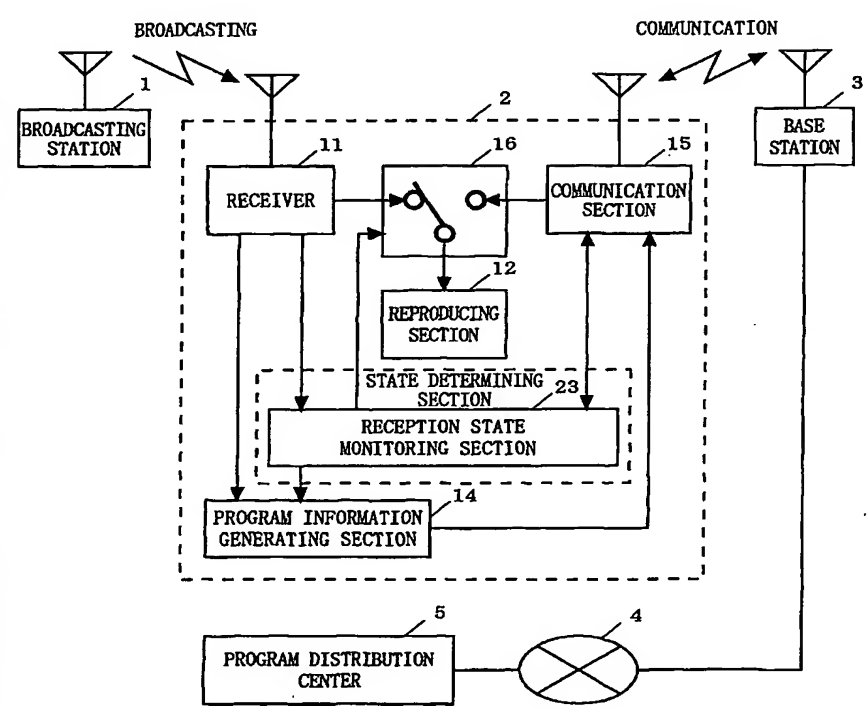
PCT

(10) International Publication Number
WO 2004/080011 A1

- (51) International Patent Classification⁷: **H04L 12/56**,
H04H 1/08, H04Q 7/22, H04L 29/08, 29/06
- (74) Agent: **OGASAWARA, Shiro**; Daisan-Longev' Building,
3-11, Enokicho, Suita-shi, Osaka 564-0053 (JP).
- (21) International Application Number:
PCT/JP2004/002684
- (22) International Filing Date: 3 March 2004 (03.03.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
2003-056293 3 March 2003 (03.03.2003) JP
- (71) Applicant (for all designated States except US): **MAT-
SUSHITA ELECTRIC INDUSTRIAL CO., LTD.**
[JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka
571-8501 (JP).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.
- (81) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).
- (72) Inventor; and
(75) Inventor/Applicant (for US only): **HIKOMOTO,
Satomi.**

[Continued on next page]

(54) Title: MOBILE TERMINAL HAVING FUNCTIONS OF PROGRAM RECEPTION THROUGH BROADCASTING AND THROUGH NETWORK COMMUNICATION, AND PROGRAM RECEPTION CONTROLLING METHOD



(57) Abstract: A mobile terminal is provided for achieving continuous program viewing/listening by appropriately switching between program reception through broadcasting and program reception through communication with a broadcast receiving function and a communication function working cooperatively. A receiver (11) receives a program broadcasted from a broadcasting station (11). A reception state monitoring section (23) monitors a state of receiving the broadcast program in the receiver (21). If the reception state is in a satisfactory state, the broadcast program is reproduced by the reproducing section (12). Upon determination by the reception state monitoring section (23) that the reception state has been deteriorated, a program information generating section (14) generates program information specifying the broadcast program being currently received by the receiver (11), and then gives the program information to a communication section (15). The

communication section (15) communicates with a program distribution center (5) to receive program data corresponding to the generated program information by streaming. The program data received through communication is reproduced instead of the broadcast program by the reproducing section (12).

WO 2004/080011 A1